

Atty. Dkt. No. 355901-0103

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: GADELLE, Andree

Title: PER(3,6-ANHYDRO)  
CYCLODENTRIN  
DERIVATIVES, THEIR  
PREPARATION AND THEIR  
USE FOR SEPARATING IONS,  
IN PARTICULARS ANIONS  
BASED ON CHROMIUM AND  
MANGANESE

Appl. No.: 10/517,582

Filing Date: 6/11/2003

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

<b>CERTIFICATE OF MAILING</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.	
<i>Rene Campos</i> (Printed Name)	
<i>[Signature]</i> (Signature)	
5-9-05 (Date of Deposit)	

**TRANSMITTAL**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents for filing in the above-identified application.

1. First Information Disclosure Statement (3 pgs.);
2. PTO Form SB/08 (2 pgs.);
3. Twelve (12) references as cited on PTO Form SB/08 as B1-B5 and C1-C7; and
4. Return postcard.

[ X ] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-0872.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

By Gerald F. Swiss  
Gerald F. Swiss  
Attorney for Applicant  
Registration No. 30,113

Date 5-6-05

FOLEY & LARDNER LLP  
Customer Number: 38706  
Telephone: (650) 251-1103  
Facsimile: (650) 856-3710

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<i>Rene Campos</i> (Signature)	
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**FIRST INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each international, patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR

§1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

The relevance of the foreign-language documents is described in the present specification. English translations of the foreign-language documents are not readily available, but the US patent equivalents of the foreign-language documents are cited as A1, A2 and A3. The absence of translations does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

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Date 5-6-05

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Customer Number: 38706  
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By Gerald F. Swiss  
Gerald F. Swiss  
Attorney for Applicant  
Registration No. 30,113

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<p>Substitute for form 1449B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>Date Submitted: May 6, 2005</p> <p>(use as many sheets as necessary)</p>				<p><b>Complete if Known</b></p>	
Sheet	1	of	2	Application Number	10/517,582
				Filing Date	6/11/2003
				First Named Inventor	GADELLE, Andree
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	355901-0103

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1	FR	2807044		Commissariat Energie Atomique [English Abstract] – US Patent A1 cited above is deemed equivalent.	10/05/1001		
	B2	FR	2764525		Commissariat Energie Atomique [English Abstract] - US Patent A2 cited above is deemed equivalent.	12/18/21998		
	B3	FR	2744124		Commissariat Energie Atomique [English Abstract] US Patent A3 cited above is deemed equivalent.	08/01/1997		

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet	2	of	2	Attorney Docket Number	355901-0103

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>			
	B4	WO	98/22197	The Regents of the University of California	05/28/1998	
	B5	WO	01/72849	Commissariat Energie Atomique	10/04/2001	

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	
	C1	Yamamura et al	"A Cyclodextrin Derivative with Cation Carrying Ability: Heptakis (3,6-Anhydro)-Beta-Cyclodextrin 2-O-P-Phenylazobenzoate"	Chem. Ltrs., Chem. Society of Tokyo, JP 9:799-800 (1996)			
	C2	Yamamura et al.	"Preparation of Heptakis (6-O-(p-tosyl))-β-cyclodextrin and Hepakis(6-O-(p-tosyl))-2-O-(p-tosyl)-β-cyclodextrin and Their Conversion to Heptakis(3,6-anhydro)-β-cyclodextrin"	Chem. Pharm. Bull 39(10):2505-2508 (1991)			
	C3	Yamamura et al.	"Preparation of Octakis(3,6-anhydro)-γ-cyclodextrin and Characterization of its Cation Binding Ability"	J. Chem. Soc. Chem. Commun. 636-637 (1993)			
	C4	Yamamura et al.	"Synthesis and Alkali Metal Ion Binding of Poly(3,6-anhydro)-α-cyclodextrins"	Tetrahedron Lett. 37(7):1093-1094 (1995)			
	C5	Gadelle et al.	"Selective Halogenation at Primary Positions of Cyclomaltooligosaccharides and a Synthesis of Per-3,6-anhydro Cyclomaltooligosaccharides"	Angew. Chem. Int. Ed. Engl. 30:78-79 (1991)			
	C6	Ashton et al.	"Synthesis and Characterization of Per-3,6-anhydro Cyclodextrins"	Angew. Chem. Int. ed. Engl. 30:80-81 (1991)			
	C7	Duchêne et al.	"Pharmaceutical application of cyclodextrins"	"Cyclodextrins and their industrial uses" D. Duchêne Ed., Editions de Sante, Paris 213-257 (1987)			

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